

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-5 (Canceled).

Claim 6 (Currently Amended): A method of coating an optical fiber comprising, contacting a urethane (meth)acrylate oligomer with the optical fiber; wherein the urethane (meth)acrylate oligomer is obtained by reacting a polyol component (A) comprising a polyoxyalkylene ~~polyol having from 2 to 4 hydroxyl groups~~ diol, a hydroxyl value V_{OH} (mgKOH/g) of from ~~5 to 115~~ 9 to 30 and a total degree of unsaturation V_{US} (meq/g) satisfying Formula 1, with a polyisocyanate compound (B) and a hydroxylated (meth)acrylate compound (C):

$$V_{US} \leq (0.45/V_{OH}) + 0.02 \quad \text{Formula 1.}$$

Claim 7 (Currently Amended): A composition comprising, an optical fiber; and a urethane (meth)acrylate oligomer; wherein the urethane (meth)acrylate oligomer is obtained by reacting a polyol component (A) comprising a polyoxyalkylene ~~polyol having from 2 to 4 hydroxyl groups~~ diol, a hydroxyl value V_{OH} (mgKOH/g) of from ~~5 to 115~~ 9 to 30 and a total degree of unsaturation V_{US} (meq/g) satisfying Formula 1, with a polyisocyanate compound (B) and a hydroxylated (meth)acrylate compound (C):

$$V_{US} \leq (0.45/V_{OH}) + 0.02 \quad \text{Formula 1.}$$

Claim 8 (Previously Presented): A method of making the composition according to Claim 7, comprising contacting the urethane (meth)acrylate oligomer with the optical fiber.

Claim 9 (Currently Amended): The method according to Claim 6, wherein the polyoxyalkylene ~~polyol~~ diol is a polyoxypropylene polyol diol.

Claims 10-11 (Canceled).

Claim 12 (Currently Amended): The method according to Claim ~~11~~ 9, wherein the polyoxypropylene ~~polyol~~ diol has a hydroxyl value V_{OH} (mgKOH/g) of from 9 to 17.

Claim 13 (Currently Amended): The method according to Claim 9, wherein the polyoxypropylene ~~polyol~~ diol is obtained by reacting propylene oxide with a polyfunctional initiator in the presence of a double metal cyanide complex as a catalyst.

Claim 14 (Currently Amended): The method according to Claim 6, wherein the polyoxyalkylene ~~polyol~~ diol contains no oxyethylene group derived from ethylene oxide.

Claim 15 (Canceled).

Claim 16 (Previously Presented): The method according to Claim 6, wherein V_{US} is at least 0.018.

Claim 17 (Previously Presented): The method according to Claim 6, wherein the urethane (meth)acrylate oligomer has a viscosity of not greater than 8200 cP at 25°C.

Claim 18 (Currently Amended): The composition according to Claim 7, wherein the polyoxyalkylene ~~polyol~~ diol is a polyoxypropylene ~~polyol~~ diol.

Claims 19-20 (Canceled).

Claim 21 (Currently Amended): The composition according to Claim ~~20~~ 18, wherein the polyoxypropylene polyol has a hydroxyl value V_{OH} (mgKOH/g) of from 9 to 17.

Claim 22 (Currently Amended): The composition according to Claim 18, wherein the polyoxypropylene ~~polyol~~ diol is obtained by reacting propylene oxide with a polyfunctional initiator in the presence of a double metal cyanide complex as a catalyst.

Claim 23 (Currently Amended): The composition according to Claim 7, wherein the polyoxyalkylene ~~polyol~~ diol contains no oxyethylene group derived from ethylene oxide.

Claim 24 (Canceled).

Claim 25 (Previously Presented): The composition according to Claim 7, wherein V_{US} is at least 0.018.

Claim 26 (Previously Presented): The composition according to Claim 7, wherein the urethane (meth)acrylate oligomer has a viscosity of not greater than 8200 cP at 25°C.

Claim 27 (Currently Amended): The method according to Claim 8, wherein the polyoxyalkylene ~~polyol~~ diol is a polyoxypropylene ~~polyol~~ diol.

Claims 28-29 (Canceled).

Claim 30 (Currently Amended): The method according to Claim ~~29~~ 27, wherein the polyoxypropylene ~~polyol~~ diol has a hydroxyl value V_{OH} (mgKOH/g) of from 9 to 17.

Claim 31 (Currently Amended): The method according to Claim 27, wherein the polyoxypropylene ~~polyol~~ diol is obtained by reacting propylene oxide with a polyfunctional initiator in the presence of a double metal cyanide complex as a catalyst.

Claim 32 (Currently Amended): The method according to Claim 8, wherein the polyoxyalkylene ~~polyol~~ diol contains no oxyethylene group derived from ethylene oxide.

Claim 33 (Canceled).

Claim 34 (Previously Presented): The method according to Claim 8, wherein V_{US} is at least 0.018.

Claim 35 (Previously Presented): The method according to Claim 8, wherein the urethane (meth)acrylate oligomer has a viscosity of not greater than 8200 cP at 25°C.

Claim 36 (New): A method of coating an optical fiber comprising,
contacting a urethane (meth)acrylate oligomer with the optical fiber; wherein

the urethane (meth)acrylate oligomer is obtained by reacting a polyol component (A) comprising a polyoxyalkylene polyol having from 2 to 4 hydroxyl groups, a hydroxyl value V_{OH} (mgKOH/g) of from 5 to 115 and a total degree of unsaturation V_{US} (meq/g) satisfying Formula 1, with a polyisocyanate compound (B) and a hydroxylated (meth)acrylate compound (C):

$$V_{US} \leq (0.45/V_{OH}) + 0.02 \quad \text{Formula 1,}$$

wherein the polyoxyalkylene polyol is a mixture of polyoxyalkylene polyols containing 2 hydroxyl groups and polyoxyalkylene polyols containing 3 or 4 hydroxyl groups.

Claim 37 (New): A composition comprising,
an optical fiber; and
a urethane (meth)acrylate oligomer; wherein

the urethane (meth)acrylate oligomer is obtained by reacting a polyol component (A) comprising a polyoxyalkylene polyol having from 2 to 4 hydroxyl groups, a hydroxyl value V_{OH} (mgKOH/g) of from 5 to 115 and a total degree of unsaturation V_{US} (meq/g) satisfying Formula 1, with a polyisocyanate compound (B) and a hydroxylated (meth)acrylate compound (C):

$$V_{US} \leq (0.45/V_{OH}) + 0.02 \quad \text{Formula 1,}$$

wherein the polyoxyalkylene polyol is a mixture of polyoxyalkylene polyols containing 2 hydroxyl groups and polyoxyalkylene polyols containing 3 or 4 hydroxyl groups.

Claim 38 (New): A method of making the composition according to Claim 37, comprising contacting the urethane (meth)acrylate oligomer with the optical fiber.

Claim 39 (New): The method according to Claim 36, wherein the polyoxyalkylene polyol is a polyoxypropylene polyol.

Claim 40 (New): The method according to Claim 39, wherein the polyoxypropylene polyol has a hydroxyl value V_{OH} (mgKOH/g) of from 7 to 80.

Claim 41 (New): The method according to Claim 40, wherein the polyoxypropylene polyol has a hydroxyl value V_{OH} (mgKOH/g) of from 9 to 30.

Claim 42 (New): The method according to Claim 41, wherein the polyoxypropylene polyol has a hydroxyl value V_{OH} (mgKOH/g) of from 9 to 17.

Claim 43 (New): The method according to Claim 39, wherein the polyoxypropylene polyol is obtained by reacting propylene oxide with a polyfunctional initiator in the presence of a double metal cyanide complex as a catalyst.

Claim 44 (New): The method according to Claim 36, wherein the polyoxyalkylene polyol contains no oxyethylene group derived from ethylene oxide.

Claim 45 (New): The method according to Claim 36, wherein V_{US} is at least 0.018.

Claim 46 (New): The method according to Claim 36, wherein the urethane (meth)acrylate oligomer has a viscosity of not greater than 8200 cP at 25°C.

Claim 47 (New): The composition according to Claim 37, wherein the polyoxyalkylene polyol is a polyoxypropylene polyol.

Claim 48 (New): The composition according to Claim 47, wherein the polyoxypropylene polyol has a hydroxyl value V_{OH} (mgKOH/g) of from 7 to 80.

Claim 49 (New): The composition according to Claim 48, wherein the polyoxypropylene polyol has a hydroxyl value V_{OH} (mgKOH/g) of from 9 to 30.

Claim 50 (New): The composition according to Claim 49, wherein the polyoxypropylene polyol has a hydroxyl value V_{OH} (mgKOH/g) of from 9 to 17.

Claim 51 (New): The composition according to Claim 47, wherein the polyoxypropylene polyol is obtained by reacting propylene oxide with a polyfunctional initiator in the presence of a double metal cyanide complex as a catalyst.

Claim 52 (New): The composition according to Claim 37, wherein the polyoxyalkylene polyol contains no oxyethylene group derived from ethylene oxide.

Claim 53 (New): The composition according to Claim 37, wherein V_{US} is at least 0.018.

Claim 54 (New): The composition according to Claim 37, wherein the urethane (meth)acrylate oligomer has a viscosity of not greater than 8200 cP at 25°C.

Claim 55 (New): The method according to Claim 38, wherein the polyoxyalkylene polyol is a polyoxypropylene polyol.

Claim 56 (New): The method according to Claim 55, wherein the polyoxypropylene polyol has a hydroxyl value V_{OH} (mgKOH/g) of from 7 to 80.

Claim 57 (New): The method according to Claim 56, wherein the polyoxypropylene polyol has a hydroxyl value V_{OH} (mgKOH/g) of from 9 to 30.

Claim 58 (New): The method according to Claim 57, wherein the polyoxypropylene polyol has a hydroxyl value V_{OH} (mgKOH/g) of from 9 to 17.

Claim 59 (New): The method according to Claim 55, wherein the polyoxypropylene polyol is obtained by reacting propylene oxide with a polyfunctional initiator in the presence of a double metal cyanide complex as a catalyst.

Claim 60 (New): The method according to Claim 38, wherein the polyoxyalkylene polyol contains no oxyethylene group derived from ethylene oxide.

Claim 61 (New): The method according to Claim 38, wherein V_{US} is at least 0.018.

Claim 62 (New): The method according to Claim 38, wherein the urethane (meth)acrylate oligomer has a viscosity of not greater than 8200 cP at 25°C.

DISCUSSION OF THE AMENDMENT

Claims 6 and 7 have been amended by incorporating the subject matter of Claims 11 and 20, respectively, therein. Claims 10-11, 15, 19-20, 24, 28-29 and 33 have been canceled as now redundant. Remaining dependent claims have been amended to be consistent with the amendment to Claims 6 and 7.

New Claims 36-62 have been added. Claim 36 is based on the combination of Claim 6 and Claim 15, prior to the above amendment. Claim 37 is based on the combination of Claim 7 and Claim 24, prior to the above amendment. Claims 38-62 correspond to those of Claims 8-35 remaining, except claims now redundant.

No new matter is believed to have been added by the above amendment. Claims 6-9, 12-14, 16-18, 21-23, 25-27, 30-32 and 34-62 are now pending in the application.